

**Friday June 18, 2018**

**7:30pm**

**Our Saviors Lutheran Church**

**1035 Carol Lane Lafayette**

**DX Interest Group Meeting**

**With Dave Piersall, N6ORB 6pm**

**\* License Testing 6pm \***

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## AT THE JUNE MEETING

# The World of Air Traffic Control



When we think of Air Traffic Control, first we think of "The Tower". This is only one part of a much larger picture. If we think deeper, we'll think about Radar. Radar is just one of the tools Air Traffic Control uses. There is Radar, Visual, and non-Radar. This triad is mirrored in another triad; the journey a flight makes from its departure location to its final destination. The first part of any flight is controlled by the Tower; the next step is the Approach Control; and the end route phase is controlled by "Brickhouse."

Please Join us as Kurt McAninch takes us into the fascinating world of Air Traffic Control.

Kurt was born and raised in Iowa. He graduated in 1979 from Iowa State University with a degree in Fisheries and Wildlife Biology, and moved to Sacramento in August of 1980. The options for environmental jobs were few then, so he punted and answered an ad in the Sacramento Bee for Air Traffic Control. Receiving his training in Oklahoma City, he returned to California and served for 32 years as an Air Traffic controller. He controlled air traffic with radar and non-radar oceanic procedures. He moved to the ATC Procedures office and then into Air Traffic Flow Control. In 2007, he was assigned as a Military Operations Specialist, where he served until retirement.

The slides for Kurt's talk are available at:

[https://drive.google.com/open?id=1ARToxSpUR1IYpvqnHJ\\_zGhAa-cLle\\_k8](https://drive.google.com/open?id=1ARToxSpUR1IYpvqnHJ_zGhAa-cLle_k8)



**Sean Donelan, KM6NGN**  
**John Fetto, KG6FEE**  
**Brandon Nugent, KM6AZX**  
**(Brandon is 11 years old!)**  
**Jack M. Shaw, KM6RGJ**

If you hear any of these new members on the air,  
please welcome them to our club.

— Tom Deeble, KA6SIP



**When you purchase at Amazon dot com  
smile, a portion of your purchase is do-  
nated to our club.**

**Go to:**  
**<https://smile.amazon.com/ch/23-7072059>**

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ALL MEMBERS ARE INVITED TO JOIN  
THE CLUB E-MAIL GROUP.  
DOWNLOAD FILES, INCLUDING *THE*  
*CARRIER* IN **FULL COLOR** AS WELL AS  
SHARE INFORMATION WITH THE  
MEMBERSHIP AT:

**<https://groups.io/g/MDARC>**

*(the old Yahoo group will be abolished)*

\*\*\*\*\*

**Mount Diablo Amateur Radio Club W6CX**  
**P.O. Box 23222 Pleasant Hill, CA 94523**  
**(925) 288-1730**

*The Carrier* is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

**President** - Larry Bradley, KK6QPE  
**Vice President** - Ed Morales, KJ6KYT  
**Secretary** – Dick Fletcher, AF9RF  
**Treasurer** - Cathi Walton, K2CJW  
**Technical Committee Chair**  
Jim Siemons, W6LK

**Directors At Large**

Trevor Hall, WA6JAU      Terry Buxton, KK6KGX  
Janice Fujii, KG6VTD      John Primus, AF6RJ

**Emergency Coordinator** - Ron Bunch, W4FEK

**Membership Chair** – Tom Deeble, KA6SIP  
[mdarcmembership@mdarc.org](mailto:mdarcmembership@mdarc.org)

**PACIFICON 2018**

Chair: Misa Siemons, KJ6BUE  
Registration: Tom Deeble, KA6SIP & Debbie Deeble  
Treasurer: Jim Siemons, W6LK  
Secretary: Pete Harris, KE6ZIW

Annual Auction - Jim Siemons, W6LK  
Communications Van - Lauren Styles, WA6CIE  
Digital Media - Mike Patterson, N6JGA  
Education & Training - John Primus, AF6RJ  
Field Day - Larry Loomer, KI6LNB  
Good & Welfare Coordinator - Diana Sage, KA6TZU  
Holiday Party - Misa Siemons, KJ6BUE  
License Testing - Larry Loomer, KI6LNB  
Outreach Coordinator - Jim Siemons, W6LK  
Public Service - Klaus Berkner, K6KHB  
Refreshments: Elizabeth Styles, KG6HLV  
Repeater Trustee W6CX - Jay Caldis, KT6Y  
Trustee W6LGW - Dick Brown, KT6X

***The Carrier*** Newsletter

Editor, Matthew G. Vurek, N4DLA  
[n4dla\\_cs245@yahoo.com](mailto:n4dla_cs245@yahoo.com)  
Proofreader - Larry Loomer, KI6LNB  
Printing: Tom Deeble, KA6SIP

***Amateur Television Help and Information:***

John Schuler, W6DTV      [JOHNQRZ@aol.com](mailto:JOHNQRZ@aol.com)  
Fred Coe, WB6ASU      [wb6asu@icloud.com](mailto:wb6asu@icloud.com)

## President's Message



### **MDARC Family:**

**Hope to have many members and guests at our club's Field Day site in Heather Farm Park in Walnut Creek Friday afternoon June 22 through Sunday morning June 24, 2018.**

**See pages 4 through 6 of this issue for further details from our Field Day Chair Larry Loomer, KI6LNB.**

**73,**

**Larry Bradley  
KK6QPE**





# What is Field Day?

Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN! ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, more than 35,000 radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.

It is a time when many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as to the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part simply involves contacting as many other stations as possible while learning to operate our radio gear in abnormal situations and less than optimal conditions.

We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums—these are all large, preplanned, non-emergency activities.

But despite the development of very complex, modern communications systems—or maybe because they ARE so complex—ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio operators (also called “hams”) are well known for our communications support in real disaster and post-disaster situations.

— Submitted by Larry Loomer, KI6LNB



My Fellow Hams,

Field Day 2018 is fast approaching, and the MDARC Field Day Committee is looking for assistance with:

Setup and teardown

Communicating with the public visitors and others that come to visit our site

Planning the food service and presentation

Making contacts on the air as band captains and operators

Safety to assure that we maintain a safe and secure site

Antennas to support the hams that are operating

Computer logging and networking



### **NEEDS:**

We need hams familiar with CW, HF, digital modes and Satellite contacting to maximize our point accumulation.

We need alternate sources of electricity.

We need hams to present educational presentations to the visitors.

We need to set up a Getting on the Air (GOTA) station for visitors to talk on the air.

We need to encourage youth participation in our activities.

We need to invite a served agency representative and an elected government official to our site.

We need to send out an invitation on social media.

We need to assign a Safety Officer to keep us safe at the site.

We need to staff a public information table to answer visitors' questions.

Thank you for considering to join us in the Field Day 2018 activities.

73,

*Larry Loomer, KI6LNB*  
*Field Day Chair*

# W6CX FIELD DAY 2018 SCHEDULE

## Friday, June 22

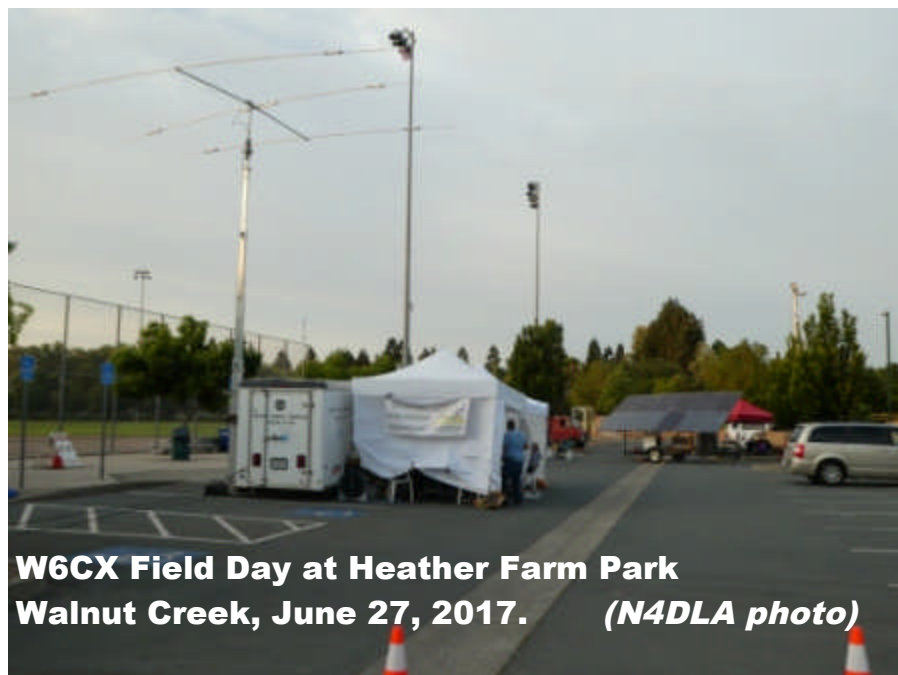
1:00 PM Set up the area for Field Day Activities  
6:00 PM Dinner

## Saturday, June 23

7:00 AM Breakfast  
8:00 AM Set Up Radio Stations  
**11:00 AM Field Day Begins - Greet the Public, Make Contacts**  
12:30 PM Lunch for Radio Operators  
1:00 PM License Testing  
6:00 PM Social Hour  
7:00 PM BBQ Dinner (by signup only)

## Sunday, June 24

7:00 AM Breakfast  
**11:00 AM End of Radio Contacts**  
11:05 AM Dismantle the Field Day Setup  
12:00 PM Lunch for the Crew  
1:00 PM Continue Field Day Packing Up  
3:00 PM Final Walk Through



**W6CX Field Day at Heather Farm Park**  
**Walnut Creek, June 27, 2017. (N4DLA photo)**

# **Parachute Mobile Mission 31 is scheduled for June 16, 2018**

This will be an opportunity to for you to make a unique contact with a skydiver while he descends under his parachute.

Frequencies: FM: 146.430 MHz HF: 14.250 MHz (May operate split mode. Check website closer to mission day.)

APRS: Search AF6IM or KC6TYD depending on jumper

Live streaming video: <http://Ustream.tv/channel/mfwright.com>

EchoLink: NE6RD-L

This will be our first time using EchoLink. Please be patient when attempting to make a QSO as we are aware of latency issues. We have tried our best to keep this at a minimum.

Location: Bay Area Skydiving. Byron Airport, Byron, CA

We hope to have our first jump as close to 10 a.m. Listen on 146.430 MHz for Parachute Control. Updates will be made throughout the day to keep you advised of jump status. Too far away? Updates will be made on the W6CX repeater (Diablo) on 147.060+ 100. We will also have a running timeline of updates on our website at [parachutemobile.org](http://parachutemobile.org). We hope to complete 4 jumps for the day.

If you make a contact please email us at [KC6TYD@gmail.com](mailto:KC6TYD@gmail.com). We keep both a written and audio log, however, at time calls are missed.

Please note that we have no control over the aircraft or weather and the event is subject to delays or cancellation. Please visit our website, [www.parachutemobile.org](http://www.parachutemobile.org) for updates.

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**Mt. Diablo Amateur Radio Club (MDARC) and the Salvation Army Team Emergency Radio Network (SATERN) offer free course:**

**\* Digital Messaging for Emergency Communications Thursday June 21st, 2018**

**The Salvation Army, 3950 Clayton Road (at West St.), Concord**

**All Classes begin at 7:00 PM sharp and end by 9:00 PM. For details, and/or to register, go online to:**

**<http://www.mdarc.org/activities/education/auxiliary-classes-2018>**

Presided over by: resident, Larry Bradley, KK6QPE

Recorded by Richard Fletcher, AF9RF, Secretary

The meeting was held at the Black Bear Diner 700 Bancroft Rd., Walnut Creek, Ca., and was opened at 7:04 PM.

There were 15 attendees: John Primus, AF6RJ, Jim Siemons, AF6PU, Janice Fuji, KG6VTD, Cathi Walton, K2CJW, Ron Bunch, W4FEK, Terry Buxton, KK6KGX, Misa Siemons, KJ6BUE, Ed Morales, KJ6KYT, Tom Deeble, KA6SIP, Lauren Styles, WA6CIE, Liz Styles, KG6HLV, Mike Patterson, N6JGA, Larry Loomer, KI6LNB

VP Ed Morales told the board that there are programs and speakers secured through the month of May

Treasurer Cathi explained the composition of the current financial report. It was composed of four (4) outstanding balances. They were MDARC Checking Account, which had a monthly total, after income and expenses, of \$5,433.50 The MDARC Balance is standing at \$37,322.74, and the Equipment Self-Insurance Fund stands at \$56,049.42. The PACIFICON Checking Account stands @ \$24,128.70. The club Total Account Balance is \$117,500.86.

Treasurer Cathi passed out copies of the 2017 Budget compared with 2017 actuals and the projected 2018 Budget. She then discussed the 2018 projected Budget in detail.

There was then a question about the disclosure of that 2018 budget to the membership in general and it was answered by a board member stating that it is published in the MDARC Carrier.

It was then moved, seconded and approved to increase the annual club donation to the Salvation Army to \$1,000.

After a discussion about the maintenance of the club trailer a motion was made, seconded and passed to keep the Trailer Maintenance budget at \$500 until such time as the Board can review more detailed plans to secure discretionary funds to be used for additional Trailer maintenance per the current by-laws.

Jim Siemons, Technical committee chair, spoke about replacing some older equipment on Mt Diablo and remarked that as soon as Trevor, WA6JAU, returns from out of town they would replace the 440 Mhz defunct antenna.

John Primus, AF6RJ announced the following club training schedule. Technician Class starting 1-11-2018. Currently 26 students are enrolled. General Class starting 3-22-2018.

Extra Class starting 8-9-2018 Emergency Preparedness or Auxiliary Amateur Radio training.

The meeting adjourned @ 9:05 P.M.

Respectfully Submitted, Richard Fletcher, AF9RF



Time: 1900 Hours (7:00 PM)

Presided over by: President, Larry Bradley, KK6QPE

Recorded by Richard Fletcher, AF9RF, Secretary

The meeting was held at the Black Bear Diner 700 Bancroft Rd.m Walnut Creek, Ca. and was opened at 7:00 PM.

There were 14 attendee: Misa Siemons, KJ6BUE, Jim Siemons, AF6PU, Cathi Walton, K2CJW, Ron Bunch, W4FEK, Terry Buxton, KK6KGX, Ed Morales, KJ6KYT, Mike Patterson,N6JGA, Larry Loomer, KI6LNB, Trevor Hall, WA6JAU, Eric Ferguson, KA6USJ, John Primus, AF6RJ, Janice Fujii, KG6VTD

The minutes from the February 5th Board meeting were approved.

Treasurer Cathi introduced the monthly financial report and answered numerous questions on many seemingly hot budget entries. Two were “MDARC Balance” which was \$48,624.20 and the “Total Account Balances” which was \$115,068.04.

John, AF6RJ passed out a report on the recent training and answered questions on the format of the training and what other methods are most effective.

Ron Bunch spoke about emergency training and what was needed to be included to achieve success,

Jim Siemons spoke on outreach and what needs to be included to be successful.

Misa Siemons reported on Pacificon say that Gorden West is included this year. She commented on “pipe and drape” stating that fixing the cost on them was difficult.

The technical committee reported it was unable to install the new 440Mhz antenna due to weather. North peak is still reachable.

Larry Loomer detailed recent maintenance on the club trailer and spoke about towing it saying that a hauler needs specific skills and equipment. More details were discussed about various needed equipment and security.

The board discussed leaving Yahoo Groups and moving to Google Groups due to availability problems and not having a solid structure. The issue was moved to the next meeting.

The meeting was adjourned at 9:30 PM.

Respectfully Submitted, Richard W Fletcher, AF9RF

## **MDARC Board of Directors Meeting Minutes April 2, 2018 at 19:02**

Presided over by: President Larry Bradley, KK6QPE Recorded by: Vice President Ed Morales. KJ6KYT  
Black Bear Diner, Walnut Creek, CA

Call to order:

Minutes from the last meeting were accepted. Agenda was adopted.

Officer Reports:

President: Reported Silent Key.

Vice President: Announces that reminders have been sent to summer speakers and Q1 of 2019 speakers have been identified.

Treasury Report: Account balances were provided. Discussed VP expenses and visit to Bank to change signature authorities. President and Vice President have been added. Note that Cathi/Ron will be out of town during the June/July General meetings.

No Secretary report.

Committee reports:

Education & Training: Reported by the President.

Audit Committee Report: Reported by Dick, WM6G. Results of the audit were favorable. All financials were found to be in excellent order. Chair will or has put together a procedure for an audit every 2 years.

Emergency Communications: Reported by Ron, W4FEK. Discussed meeting with “Mobility Matters” who are requesting radio support. Also initial meeting regarding the Hospital net function. How should it integrate with other groups ie. CERT, SATERN.

Outreach: Reported by Jim, AF6PU.

Pacificon: Reported by Misa, KJ6BUE. Supported requested for “Talk-In” during the event. Could be either remote or at home. Looking for Vice Chair. Next Pacificon meeting is April 10th at the Salvation Army in Concord, CA.

Technical: Reported by Jim, AF6PU. All systems are go.

Auction: Reported by Jim. AF6PU. Requested help to move equipment from homes to Lafayette. Expecting a big turnout.

Trailer, Licensing & Field Day: Reported by Larry, KI6LNB. Relocation of trailer has been approved. It will be moved to Larry home to begin improvements. Field Day meeting to take place in the couple of weeks. Location is all set at Heather Farms Park in Walnut Creek, CA.

Digital Media: See Unfinished Business.

No reports from Membership or Comm. Van.

Unfinished Business (worth noting):

Club Email Migration: Has been unanimously approved by the Board. Migration will be from Yahoo to Group.io. Target date is April 27, 2018.

FEMA training & certificate alternatives: Daylong NIMS/ICS review.

Trailer Use & Safety Policy: Draft policy and waiver & release documents presented to the Board by Ed, KJ6KYT. Amendments suggested and another draft will be developed.

One-year free club membership for new Hams: Discussion only, no decision has been made.

Badge for members: Discussion only.

Rain gauge info to be placed on website.

No New Business.

Meeting Adjourned.

## **MDARC Board of Directors Meeting Minutes**

Date: May 7, 2018 Time: 1900 Hours (7:00 PM)

Presided over by: President, Larry Bradley, KK6QPE

Recorded by Richard Fletcher, AF9RF, Secretary

The meeting was held at the Black Bear Diner, 700 Bancroft Rd., Walnut Creek, Ca. and was opened at 7:06 PM. There were 13 attendees: Jim Siemons, AF6PU, Cathi Walton, K2CJW, Ron Bunch, W4FEK, Terry Buxton, KK6KGX, Ed Morales, KJ6KYT, Larry Loomer, KI6LNB, Eric Ferguson, KA6USJ, John Primus, AF6RJ, Lauren Styles, WA6CIE, Liz Styles, KG6HLV, Tom Deeble, KA6SIP

The minutes from the April 2, 1918 Board meeting were approved.

Treasurer Cathi introduced the monthly financial report and commented on some entries. Two were “MDARC Balance” which was \$56,755.01 and the “Total Account Balances” which was \$115,957.72. There was a comment on “Excess Cash on Hand” and how some members feel about maintaining these funds.

John, AF6RJ passed out a report on the recent training which was a general class license course which averages 15 students currently. Another course is the Extra Class license course with counts 28 students.

There was a discussion about repeater usage and who to contact about it. Ron Bunch, W4FEK was named.

Outreach... The club hotline is still very active. The board discussed other methods to use to reach other new hams. Scouts are still a source.

It was announced that the speaker for Pacificon has been retained. It is Teri Ellsworth, AI6TK.

The Tech Committee reports that things are moving along. Some errant radio noises have occurred.

The board heard what is available for Field Day. A description of what the equipment was given and its history.

There was a motion, which was passed, to meet with PARA to organize and facilitate a winter Field Day.

The Board Meeting was adjourned at 8:59 PM.

Respectfully submitted Richard W. Fletcher, AF9RF, Secretary

## **MDARC General Meeting Minutes    Date: May 18th 2018**

Presided over by: President Larry Bradley, KK6QPE

Recorded by: Secretary Richard Fletcher, AF9RF

Meeting location: Our Savior's Lutheran Church 1035 Carol Lane Lafayette, Ca.

The meeting was called to order at 7:30, PM PDST.

New hams and new club members were welcomed.

A pledge of allegiance was held.

Treasurer, Cathi, K2CJW briefed the gathering on club finances. She reported the MDARC Checking Account with a balance of \$56,755.01 and the Equipment Self-Insurance fund balance of \$56,049.42. The total of all balances reached \$115,957.72.

John Primus, AF6RJ, reported that the current General license class has an attendance average of 16. An Extra Class license course has an enrollment of 28 as of 5/17/18. An HF Class has an enrollment of 20 as of 5/17/18.

Ron Bunch, W4FEK spoke about the future of radio and disaster training.

KK6QPE spoke in place of the Pacificon Committee head saying that the project is moving along well.

Klaus, K6KHB, briefed everyone on some particular public service events.

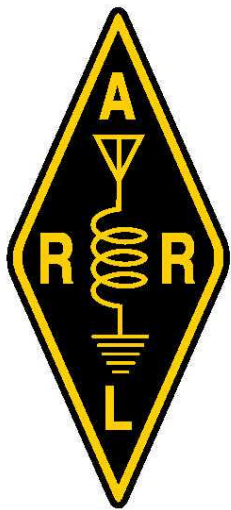
Larry, KI6LNB, reported licensees testing for the evening produced 8 Technician, 1 General and 2 Extra class licenses.

Larry, KI6LNB, Field Day was announced, saying that it would be held in the same locale as last year, Heather Farm Park, and more Band Captains are needed. The trailer is up to par and the club has a new HF antenna for use at this event. There will be a Field Day meeting on Thursday May 24 1700 hours (5:00) at the Salvation Army.

Larry, KI6LNB, reported that the MDARC trailer has new AC and DC power distribution systems installed. An air conditioning unit that produces real cold air has also been installed. A vertical HF antenna has been purchased for the trailer. The equipment that was stored in the trailer that does not support the present mission of the trailer was removed to the MDARC storage locker.

The meeting was adjourned at 8:14 PM.

Respectfully Submitted, Richard Fletcher, AF9RF



Nevada State Amateur Radio Convention

# NVCON

RENO-TAHOE 2018

## July 20 - 22, 2018

Boomtown Casino Hotel • Reno, NV

● **Friday Amateur Radio Academy**

DX, Contesting, HF Digital, VHF/UHF Digital

● **Table Talks**

Round table discussions with Subject Experts

● **Amateur Radio Forums**

Presentations on Amateur Radio Related Topics

● **Exhibitors & Vendors**

Popular Amateur Radio Vendors and Exhibitors

● **Saturday Ham Swap**

Sell, Buy, Trade starting at 6am

● **Radio Exams**

Tech, General & Extra Exams

● **Raffle Prizes**

Amateur Radio Raffle Prizes

● **and more**

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# HAM RADIO OUTLET

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## IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



## IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



## ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

## ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz\*\* • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



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## TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



## TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



## TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



## TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

## TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



**YAESU**  
The radio



## FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



## FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



## FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



## FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

## FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



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Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



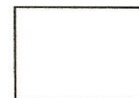
## The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

[www.mdarc.org](http://www.mdarc.org)



## THIS MONTH !



## FIRST CLASS

<https://www.facebook.com/mdarc.org>

### W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.781- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.781- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.781- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

FM 147.060 MHz + / PL 100Hz -

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

<https://www.broadcastify.com/listen/feed/25334>

**D-STAR** 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

Digital ATV Output 1244.500 Digital ATV Input 1292.500

Analog ATV Inputs: 1270.000 FM (PL 192.8) 915.0 AM

ATV Internet Stream: <http://w6cxatv.mdarc.org/>

### Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

### Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

## June and July 2018 Club Calendar

**Friday June 15, 2018 7:30pm MDARC General Meeting- - Our Savior's Lutheran Church  
1035 Carol Lane, Lafayette**

Friday, Saturday and Sunday  
June 22-24, 2018 MDARC FIELD DAY— Heather Farm Park (see page 6 for schedule)  
2661 Oak Grove Road, Walnut Creek

Monday July 9, 2018 7:00pm MDARC Board Meeting (**one week later than usual**)  
Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek

Friday July 20, 2018 7:30pm MDARC General Meeting- - Our Savior's Lutheran Church  
1035 Carol Lane, Lafayette